DiskExplorer

- DiskExplorer()
+ getFileTree(String): FileInfo

FileInfoConverter

+ fileInfoToDom(FileInfo): Document
- childrenToDom(Document, Element, FileInfo): void

Application
FileTreeAnalyzer

+ main(String[]): void
+ start(Stage): void

XMLFileManager

- analysesPath: Path

+ createXMLFile(Document): String
+ deleteXMLFile(String): void
+ findAllXMLFiles(): List<String>
+ findXMLFile(String): Document
- getTimestamp(): String
+ XMLFileManager(String)

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ItemState

-state

Diff

- newCreationTime: Date = null {readOnly}
- newDirectory: boolean = false {readOnly}
- newLastAccessTime: Date = null {readOnly}
- newLastModifiedTime: Date = null {readOnly}
- newName: String = "" {readOnly}
- newSize: Long = null {readOnly}
- newSymbolicLink: boolean = false {readOnly}
- state: ItemState

+ Diff(Path, BasicFileAttributes)
+ getNewCreationTime(): Date
+ getNewLastAccessTime(): Date
+ getNewLastModifiedTime(): Date
+ getNewName(): String
+ getNewSize(): Long
+ getState(): ItemState
+ isNewDirectory(): boolean
+ isNewSymbolicLink(): boolean

Comparable
FileInfo

- creationTime: Date {readOnly}
- directory: boolean {readOnly}
- children: List<FileInfo> {readOnly}
- lastAccessTime: Date {readOnly}
- lastModifiedTime: Date {readOnly}
- name: String {readOnly}
- numberofDirectories: int {readOnly}
- numberOfFiles: int {readOnly}
- path: String {readOnly}
- size: Long {readOnly}
- symbolicLink: boolean {readOnly}

+ addChild(FileInfo): void
+ compareTo(FileInfo): int
+ FileInfo(Path, BasicFileAttributes)
+ getCreationTime(): Date
+ getChildren(): List<FileInfo>
+ getLastAccessTime(): Date
+ getLastModifiedTime(): Date
+ getName(): String
+ getNumberOfDirectories(): int
+ getNumberOfFiles(): int
+ getPairedVariables(): ObservableList<Pair<String, String>>
+ getSize(): Long
- humanReadableByteCount(long, boolean): String
+ isDirectory(): boolean
+ isSymbolicLink(): boolean
+ print(): void
- print(int): void
+ sortChildren(): void
+ toString(): String

~root

FileVisitor
FileVisitorImpl

~ directoryStack: Deque<FileInfo> = new ArrayDeque<>()
~ root: FileInfo

+ getRoot(): FileInfo
+ postVisitDirectory(Path, IOException): FileVisitResult
+ preVisitDirectory(Path, BasicFileAttributes): FileVisitResult
+ visitFile(Path, BasicFileAttributes): FileVisitResult
+ visitFileFailed(Path, IOException): FileVisitResult